

Circuit description:

Inductor L1 acts as a load to the output of the transmitter (Infineon TDK5100), U5, which is a class C power amplifier. Capacitor C5, C14, and C17 are the matching network to match the output of the power amplifier to the antenna. The microprocessor, U2, (Texas Instruments MSP430F1101) sends data to the transmitter to transmit. J2, C1, and R2 form the optional motion sensor.